"The measurement properties of the Dutch Modified Anterior Knee Pain Scale (GNAKPS 10-16) for children of 10-17 years old with Osgood Schlatter (OSD) or Patellofemoral Pain Syndrom (PFPS)"

No registrations found.

Ethical review	Positive opinion
Status	Pending
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON24693

Source
Nationaal Trial Register

Health condition

Patellafemoral pain syndrome, Osgood-Schlatter Dissease, PFPS, OSD, AKPS, Kujala, GNAKPS10-16, Dutch

Sponsors and support

Primary sponsor: Avans Hogeschool Breda
Source(s) of monetary or material Support: Avans Hogeschool Breda

Intervention

Outcome measures

Primary outcome

correlation in r, re-test reliability in ICC/LoA/SDC, responsiveness in AUC

Secondary outcome

To give advice if the GNAKPS10-16 is useable for patiënts with OSD of PFPS vfrom 10-16 years old

Study description

Study objective

Validity:

1.) Correlation between total score of the questions about the construct "function" from the GNAKPS10-16 and the PSK in a group of 10-17 year old children with Osgood-Schlatter is equal to or higher than 0.70 with a p-value of < 0.05.

2.) The negative correlation between total score of the questions about the construct "pain" from the GNAKPS10-16 and the NPRS in a group of 10-17 year old children with Osgood-Schlatter is equal to or higher than 0.70 with a p-value of < 0.05.

3.) Children of 10-17 year old with Osgood-Schlatter score a significantly (p-value< 0.05) lower GNAKPS10-16 score than 10-17 year old children without any physical complaints score

Reliability:

The GNAKPS10-16 has an Intraclass correlation coefficient (ICCagreement) of 0.7< or equal to 0.7 for children from 10-17 year old with Osgood-Schlatter or Patellofemoral Pain Syndrome with no improvement (measured with the 7-point Global Perceived Effect(GPE)-scores 3,4,5)

Responsiveness:

De Area Under Curve (AUC) of the GNAKPS10-16 compared to the 7-point GPE (improved = score 1 or 2 / not improved = score 3 or 4 or 5) is >0.7 or equal to 0.7 for 10-17 year old children with Osgood-Schlatter or PFPS

Study design

OSD:

T0: PSK, NPRS, GNAKPS10-16

T1 (2wks): GPE, GNAKPS10-16

T2 (6wks): GPE, GNAKPS10-16

PFPs

T0: GNAKPS10-16

T1 (2wks): GPE, GNAKPS10-16

T2 (6wks): GPE, GNAKPS10-16

Control:

T0: GNAKPS10-16

Intervention

Subjects with OSD fill in GNAKPS10-16 in combination with PSK & NPRS.

Subjects with PFPS fill in GNAKPS10-16.

Control group fill in GNAKPS10-16

Contacts

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Eligibility criteria

Inclusion criteria

Inclusion PFPS & OSD:

- >2 weeks complaints on knee (non traumatic)

- diagnosis by orthopaedic surgeon, doctor/physician or physical therapist

- age minimum 10 years, maximum 17 years

- can read and understand Dutch language

Inclusion PFPS

-Positive patella test (Clarke / Grind)

-Pain during at least 3 of 5 following symptoms: long sitting with bended knees, walking stairs, cycling, running, squatting

Inclusion OSD

- tenderness/pain during palpation tuberositas tibia/distal patella tendon

- swollen/warm tuberositas tibia

- pain at the tuberositas tibia during active knee extension from 30 degrees of flexion with manual resistance

Inclusion control group:

- age minimum 10 years, maximum 17 years

- speaks and understands Dutch language

- completely injury free on lower extremities and back/spine

Exclusion criteria

Exclusion criteria PFPS and OSD

-History of surgery (injured) knee

-Neurological cause of disturbed walking pattern

- no signed consent by parents/caretakers

- age below 10 or exceeding 16 years

- Intra-articular knee pathology

- Jumpers Knee

Exclusion criteria PFPS

- Positive OSD-test (as mentioned above)

Exclusion criteria OSD

- Positive patella test (Clarke / Grind, as mentioned above)

Exclusion criteria control group

- age below 10 of exceeding 16 years

- do not speak or understand Dutch language

- Severe problems with speak or cognition

- injured at lower extremity < 2 week ago

Severe physical (congenital) or coördinative deviatons

Study design

Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Non controlled trial
Masking:	Single blinded (masking used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	03-07-2018
Enrollment:	0
Type:	Anticipated

Ethics review

Positive opinion

Date:	05-07-2018
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL7119
NTR-old	NTR7324
Other	METC Zuyd : METCZ20180068

Study results